

# Recombinant Human Arg2 protein ab97349

[1 References](#) [1 Image](#)

## Description

<b>Product name</b>	Recombinant Human Arg2 protein
<b>Purity</b>	> 95 % SDS-PAGE. ab97349 is purified using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P78540</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<b>MGSSHHHHHHSSGLVPRGSH</b> MVHSVAVIGAPFSQGQK RKGVEHGPAAIRES AGLMKRLSSLGCHLKDFGDLSTPVPKDDLYNNLIVNPRS VGLANQELAE VVSRAVSDGYSCVTLGGDHSLAIGTISGHARHCPDLCVV WVDADADINTP LTSSGNLHGQPVSFLLRELQDKVPQLPGFSWIKPCISASI VYIGLRDVED PPEHFILKNYDIQYFSMRDIDRLGIQKVMERTFDLLIGKRQR PIHLSFDI DAFDPTLAPATFTPVVGGLTYREGMYAEEIHNTGLLSALD LVEVNPQLA TSEEEAKTTANLAVDVIASSFGQTREGGHIVYDQLPTPSSP DESENQARVRI
<b>Predicted molecular weight</b>	38 kDa including tags
<b>Amino acids</b>	23 to 354
<b>Tags</b>	His tag N-Terminus

## Specifications

Our **Abpromise guarantee** covers the use of **ab97349** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

	Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF-TOF
<b>Form</b>	Liquid

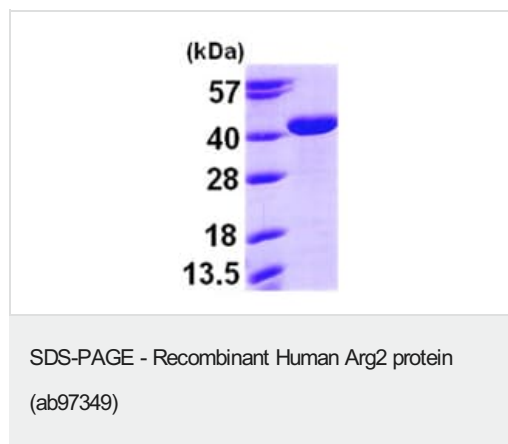
## Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)
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## General Info

<b>Function</b>	May play a role in the regulation of extra-urea cycle arginine metabolism and also in down-regulation of nitric oxide synthesis. Extrahepatic arginase functions to regulate L-arginine bioavailability to NO synthase. Since NO synthase is found in the penile corpus cavernosum smooth muscle, the clitoral corpus cavernosum and the vagina, arginase II plays a role in both male and female sexual arousal. It is therefore a potential target for the treatment of male and female sexual arousal disorders.
<b>Tissue specificity</b>	Expressed most strongly in kidney and prostate, much less strongly in the brain, skeletal muscle, placenta, lung, mammary gland, macrophage, uterus, testis and gut, but apparently not in the liver, heart and pancreas.
<b>Pathway</b>	Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.
<b>Sequence similarities</b>	Belongs to the arginase family.
<b>Cellular localization</b>	Mitochondrion.

## Images



15% SDS-PAGE showing ab97349 at approximately 38.3kDa (3µg).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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